

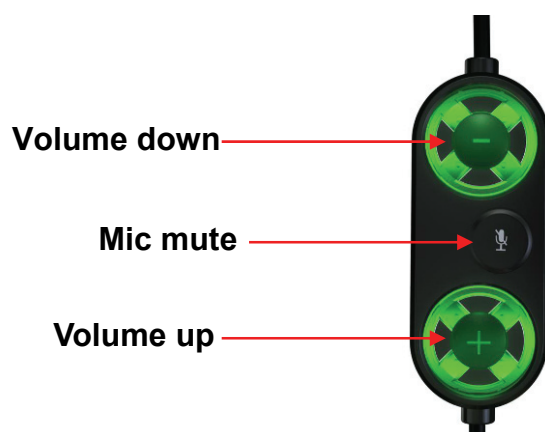
HS-04U User's Manual



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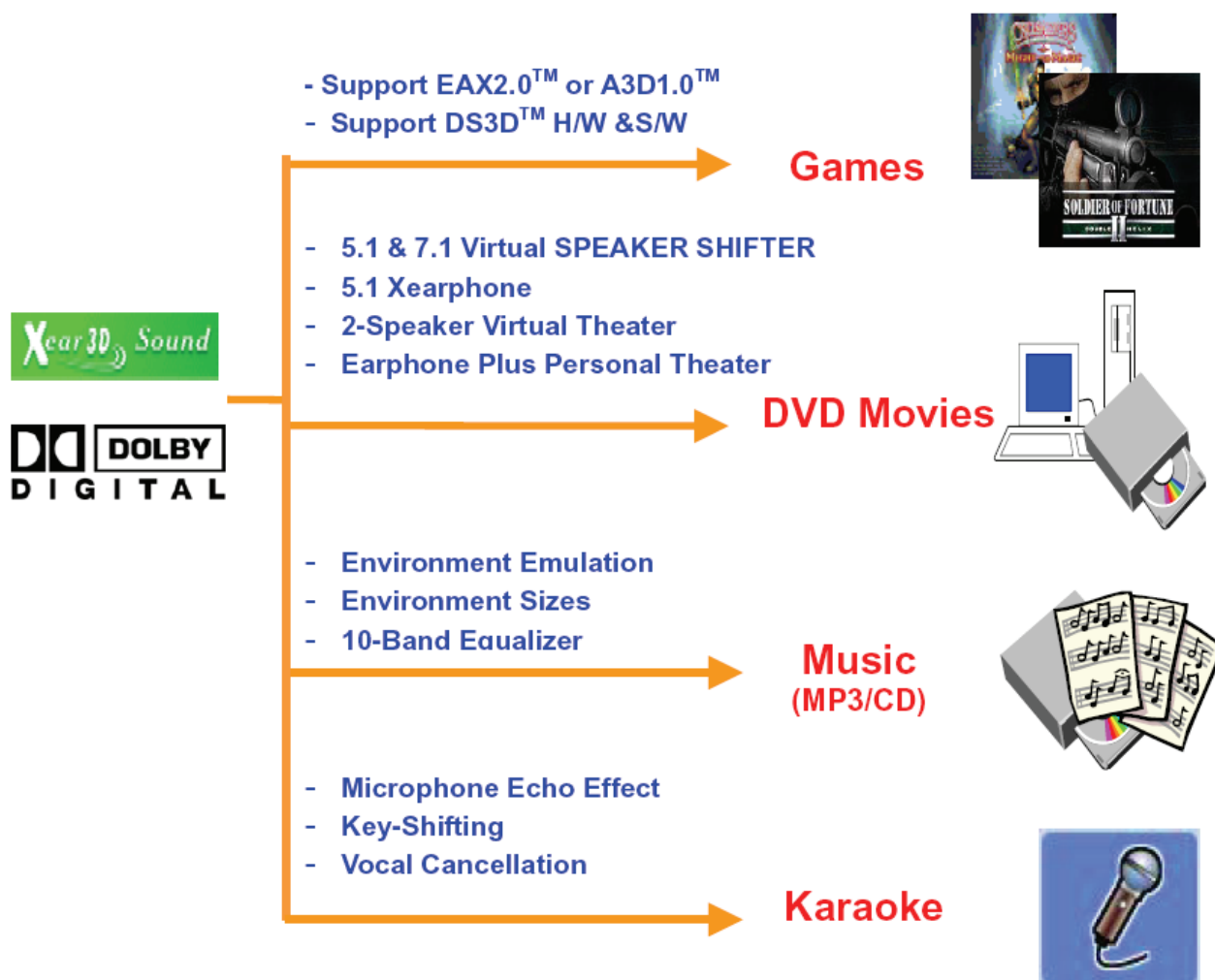
1. HS-04U introduction



Plug the USB into your computer and system will search the USB device automatically. In the original , the volume will show green light , once Microphone mute on , the volume button will show red light.

2. Introducing Xear 3D Sound Technology

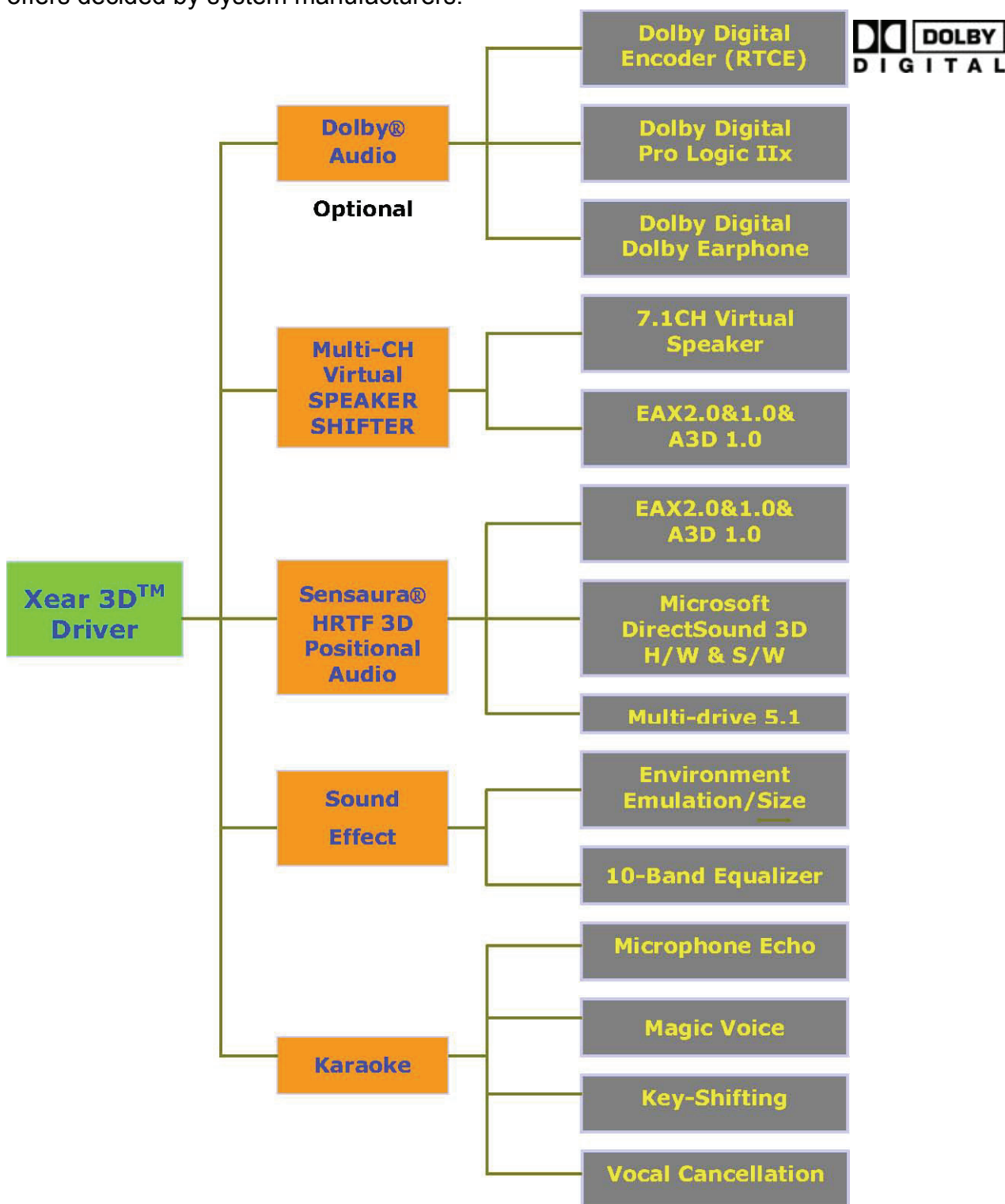
This guide will help you to understand how to use the new generation USB Digital Audio with exclusive Xear 3D™ sound technology. All kinds of applications can get maximum support. You can quickly take advantage of these great features to enjoy amazing sound effects even better than consumer electronics devices. Xear 3D™ Sound Technology is a unique and innovative total audio solution. This patented 3D sound technology not only supports real-time 3D gaming and industry-standard 5.1CH or 7.1CH DVD, but also offers an immersive virtual 5.1Ch and 7.1CH sound field to the users regardless of what type of output device is actually utilized. Thanks to Xear 3D™ Sound Technology, even if you are using a pair of earphones or 2CH speakers, you can still get a better virtual 5.1CH or 7.1CH environment capable only by Xear 3D™ Sound Technology. Better yet, all audio formats can be converted to thrilling 3-dimensional audio by this technology. Personalized and optimum 5.1CH/7.1CH listening environment and experience is thus achieved.



Xear 3D Sound Features for All Applications

3. Function Structure and Overview

The following shows the function overview of the driver. Optional features mean optional offers decided by system manufacturers.



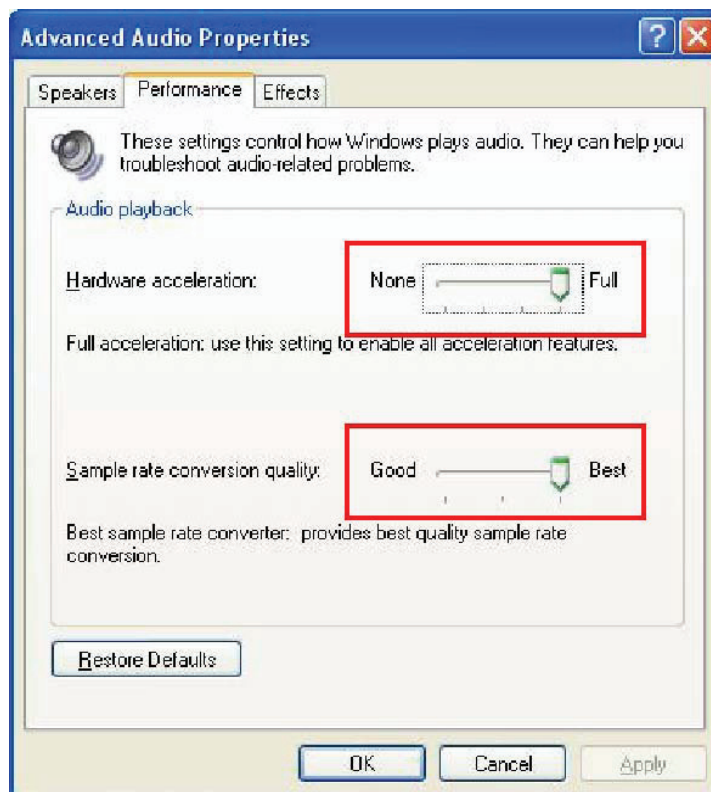
Xear 3D Driver Function Diagram

4. System Requirement and Installation

This device must be applied on USB specification products. You should confirm your PC operation USB function, USB 1.1 or 2.0.

Case 1--No external driver installed :

- OS Support: Win98SE, WinME, Win2000, WinXP, Mac OS 9.0 and 10.1
- System recommended: use Intel Pentium III or AMD K6 500 CPU above
- At least 256MB RAM
- At least 50 MB hard disk space For good sound quality, please adjust your system's H/W acceleration and Sample rate conversion quality to Full and Best.



Note: Some USB Host Controllers may have problem with data stream package loss, this will influence output audio data and make some discontinuous sound. But this is very rare. Sometimes, if you plug a USB Personal Multi-media Device on PC system and OS cannot auto change audio device to USB audio, please switch the audio device to USB audio sound and audio devices properties in control panel.

Case 2--Install Xear 3D technology driver:

- OS Support: Win98SE, WinME, Win2000, WinXP
- System recommended: use Intel Pentium III or AMD K6 500 CPU above
- At least 512MB RAM
- At least 50 MB hard disk space
- Supports direct sound 3D

Note: Windows OS has default USB driver support, but does not support HRTF 3D, EAX , Virtual Multi-channel sound effect and Dolby Digital sound DSP function. If you want to enjoy these fancy features, you must install the Xear 3D sound audio driver.

Before you install the Xear 3D sound audio driver, you must make sure that the USB Multi-media Sound Device is already connected to the PC system already.

If your PC system has more than one USB connecting port, please remember which one is connected for installation, and when the next time when you plug this USB Multi-media Sound Device to a PC, you have to plug it into the same port.

Xear 3D Sound Audio Driver Installation Step:

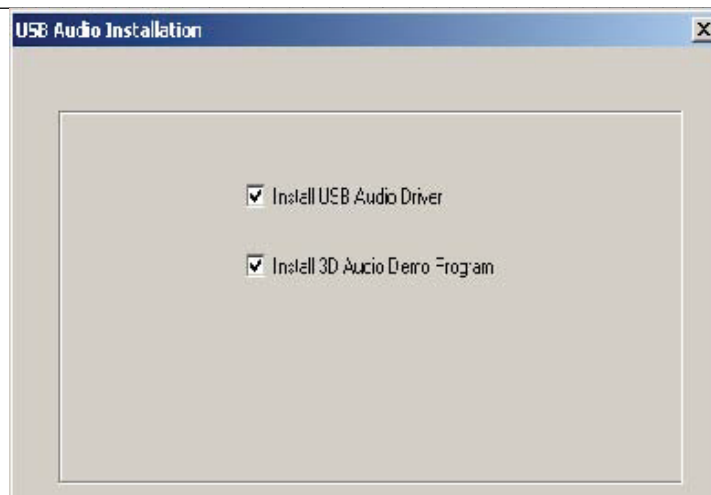
Turn on the PC system and connect the USB Multi-media Sound Device to the PC system.



Insert Installation CD on your CD/ DVD ROM, it will pop up auto run information.



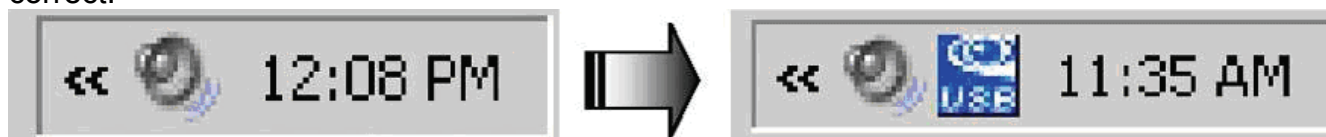
Select install driver only or both driver and demo program then click “Next” to continue the installation. The demo program includes a simple helicopter and rock shooting for 3D sound.



Set up will install USB audio kit to default path and folder.

When set up program complete installation system will need to restart to initialize the driver. After you reboot and the system is running up again, you will see a small icon in the lower right of the screen. You can click it to open the Xear 3D Sound driver functions.

If your PC system has more than one USB port, you can just plug the USB Personal Multimedia Device to any USB port. If it connects properly, the driver will detect which port is correct.

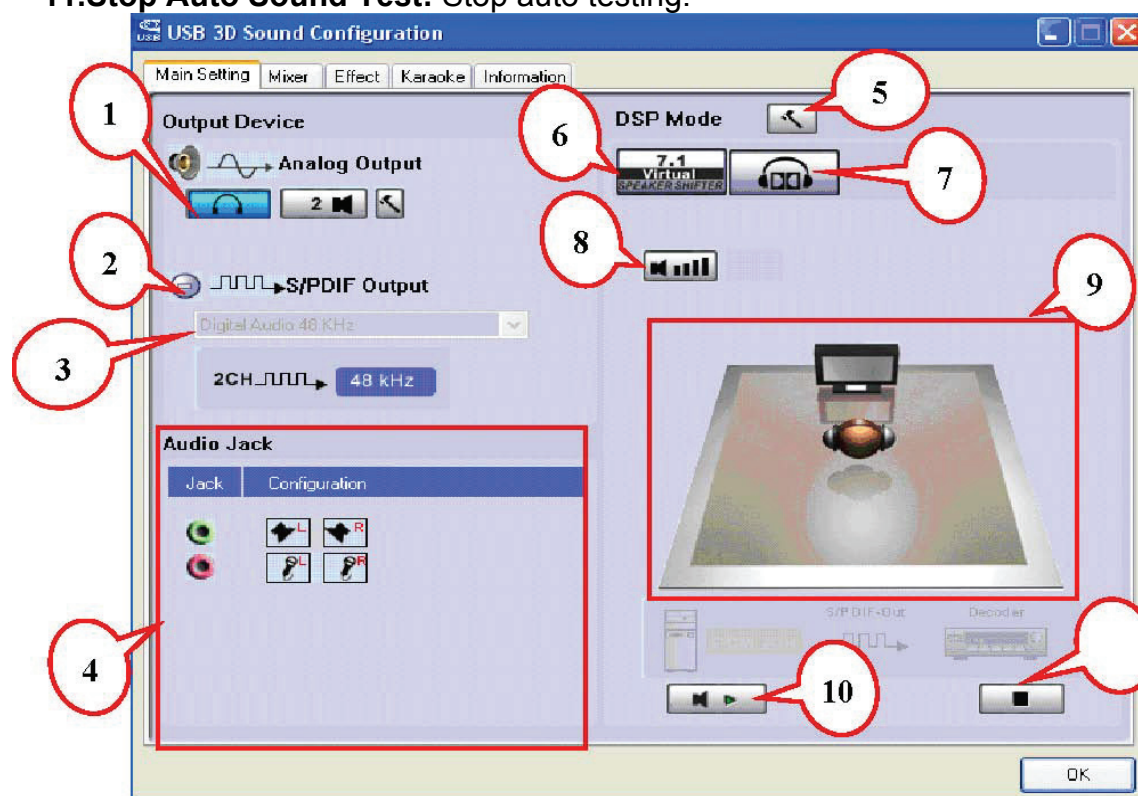


When the USB sound icon is showing, it means the Xear3D sound driver was initialized and is working now. If you have more than one USB port and you forgot which one was installed with the Xear 3D sound driver, this icon will show you are connected to the right port.

5. User Interface and Function Control

Using Analog Output or Digital S/PDIF-Out

1. **Analog Output channels Mode:** Earphone, 2CH, 4CH, 6Ch and 8CH for selection.
2. **Digital Output:** Turn on this button to select SPDIF Out data format.
3. **Digital Output Mode:** Select Dolby RTCE or PCM.
4. **Audio Jack Connected Display**
5. **DSP Mode:** Click to change different DSP Mode. (Default supports Xear 3D)
6. **Virtual SPEAKER SHIFTER:** can open SPEAKER SHIFTER windows for control.
(See next page for more information)
7. **Dolby Headphone:** Open Dolby Headphone environment effectively.
8. **Digital Volume Control:** Open each channel to adjust digital volume. (See next page for more information)
9. **Channel Display & Speaker Test:** Shows analog output channel status and directly click speaker graphic for sound testing.
10. **Auto Sound Test:** Auto test every channel for sound effect.
11. **Stop Auto Sound Test:** Stop auto testing.



Main Setting :

Virtual SPEAKER SHIFTER

1.Volume Up Control
2.Volume Down Control
3.Clockwise
4.Counter Clockwise
5.Manual Rotation
6.Manual Shifter
7.Reset
8.Shifter Drag

Dolby Headphone Sound Effect

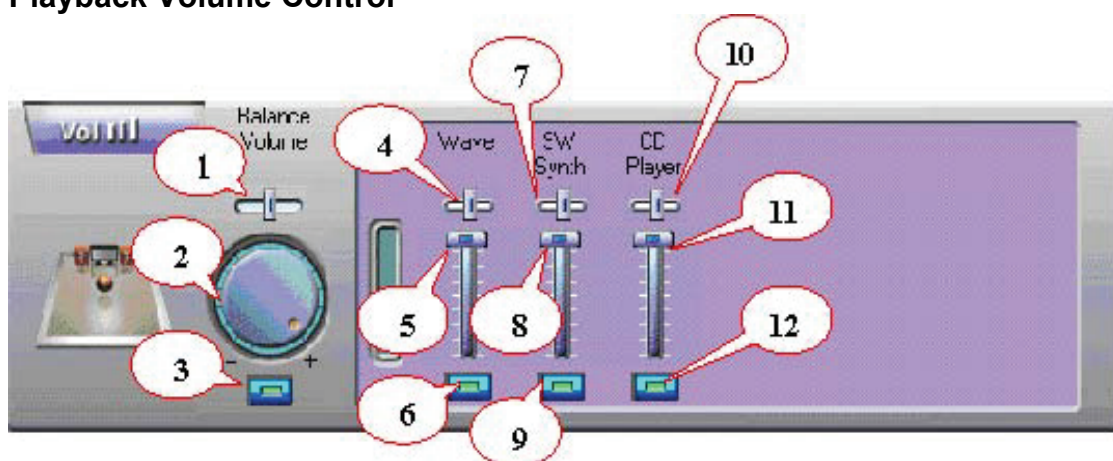
1.Reference Room
2.Living Room
3.Larger Room

Digital Volume Control

1.Reset Volume

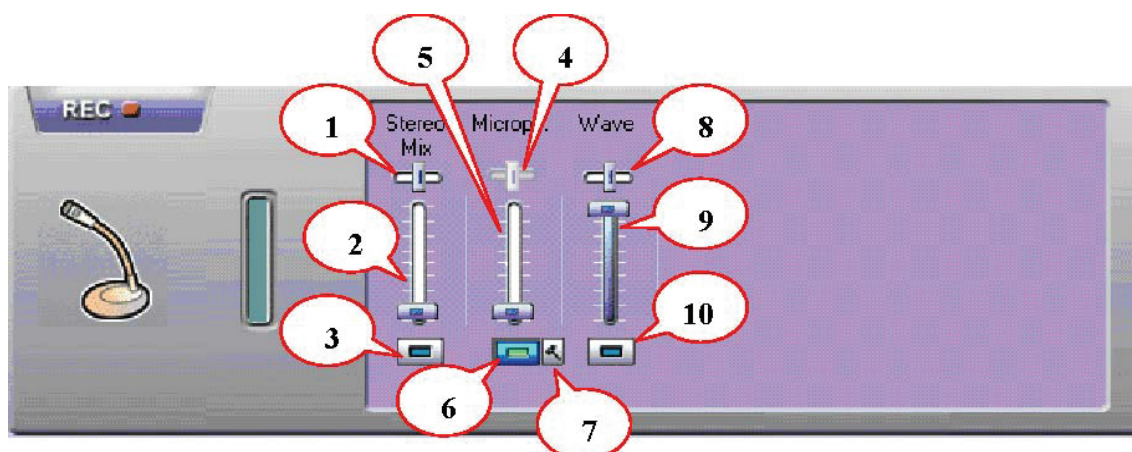
Mixer :

Playback Volume Control



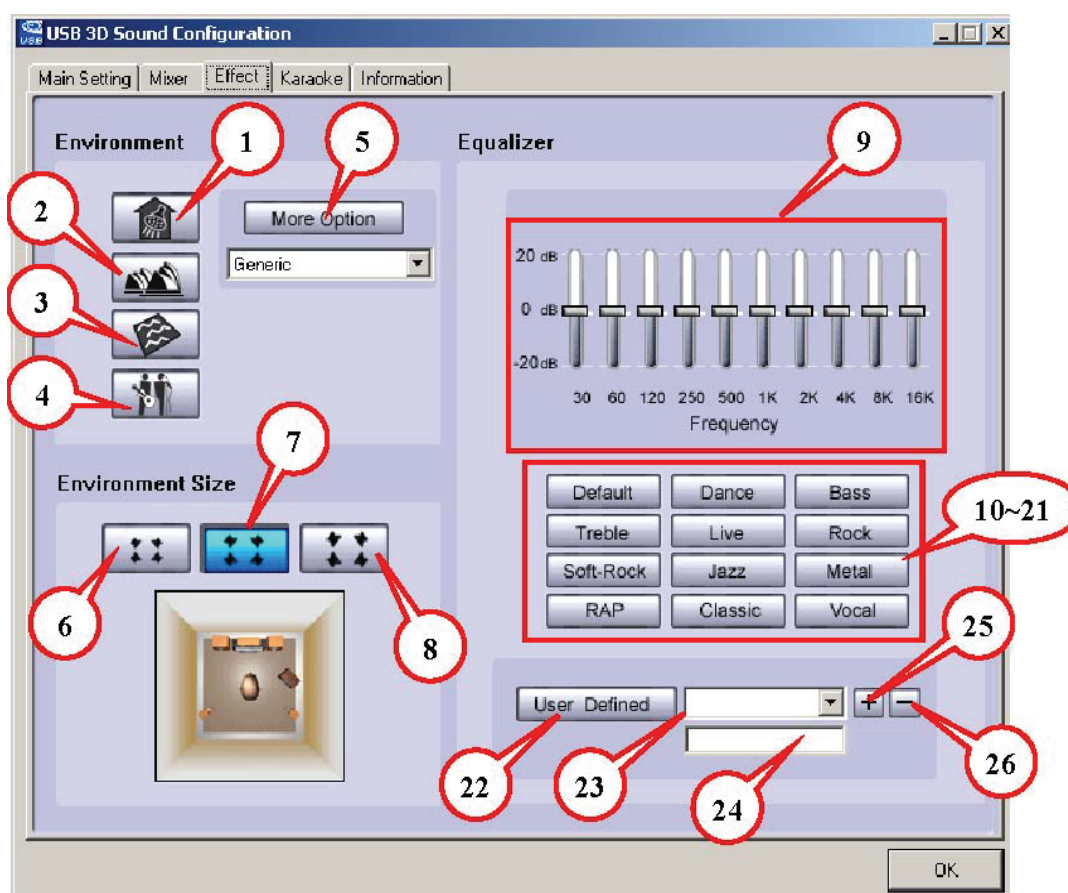
1.Balance Control	7.SW Synth Volume Balance
2.Volume Up/Down Control	8. SW Synth Volume Control
3.Master Volume On/Off	9. SW Synth Volume On/Off
4.Wave Volume Balance	10.CD Volume Balance
5.Wave Volume Control	11.CD Volume Control
6.Wave Volume On/Off	12.CD Volume On/Off

Recording Volume Control



1. Stereo Mixer Balance	6. Microphone Record Volume On/Off
2. Stereo Mixer Control	7. Microphone Record Advanced Setting
3. Stereo Mixer On/Off	8. Wave Volume Balance
4. Microphone Record Balance	9. Wave Volume Control
5. Microphone Record Volume Control	10. Wave Volume On/Off

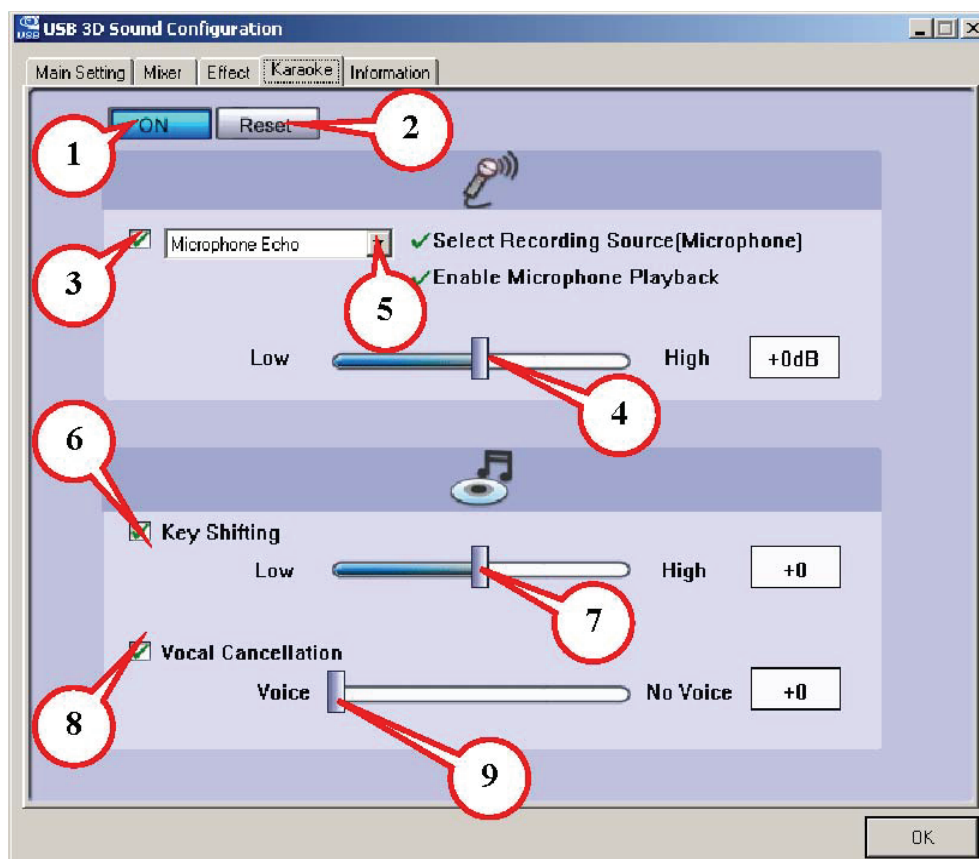
Effects :



Environment	Environment Size
1.Bathroom	6.Large
2.Concert hall	7.Middle
3.Underwater	8.Small
4.Music Pub	
5.More option: 27 mode for selected	

Equalizer	
9.Ten Band Equalizer Adjust	18.Pre-Set Mode (Metal)
10.Pre-Set Mode (Default)	19.Pre-Set Mode (RAP)
11.Pre-Set Mode (Dance)	20.Pre-Set Mode (Classic)
12.Pre-Set Mode (Bass)	21.Pre-Set Mode (Vocal)
13.Pre-Set Mode (Treble)	22.Equalizer User Define On/Off
14.Pre-Set Mode (Live)	23.Pull to select user define mode
15.Pre-Set Mode (Rock)	24.User Define naming key in
16.Pre-Set Mode (Soft-Rock)	25.Add new user define mode
17.Pre-Set Mode (Jazz)	26.Del user define mode

Karaoke :



1.On	Click this button to control all karaoke functions
2.Reset	Can reset all settings to default value
3.Start Microphone Echo Function	Select this button to pop up a dialog box to enable microphone function. Click "OK" button to select recording source and enable microphone
4.Echo Low/High Control Bar	Adjust echo low/high
5.Magic Voice Function (Optional)	This function only supported in multi-channel audio products. When you enable microphone echo then can pull down the menu to select magic voice. Magic voice provides 5 different effects.
6.Start Key Shifting Function	Select this button to enable key shifting function and control.
7.Key Shifting Low/High Control Bar	This function can adjust tune of background music to fit your singing.
8.Start Vocal Cancellation Function	Select this button to enable vocal cancellation function and control.
9.Vocal Canceling Control Bar	This function can control singer's vocal of background music and cancel it as possible.

WEEE NOTICE :

Symbol for Separate Collection in European Countries

This symbol indicates that this product is to be collected separately. The following apply only to users in European countries:

- This product is designated for separate collection at an appropriate collection point. Do not dispose of as household waste.
- For more information, contact the retailer or the local authorities in charge of waste management.



Sümbol eraldi kogumiseks Euroopa maades

See sümbol näitab, et seda toodet tuleb koguda eraldi.

Alljärgnev kehtib ainult kasutajatele Euroopa maades:

- Seda toodet tuleb kasutada eraldi vastavas kogumispunktis. Ärge likvideerige seda kui olmejääki.
- Kui teil on vaja enam teavet, võtke ühendus jaemüüja või kohaliku autoriteediga, kes on vastutav jäätmekorralduse teeninduse eest.



Symbole de collecte séparée dans les pays européens

Ce symbole indique que ce produit doit faire l'objet d'une collecte séparée.

Ce qui suit ne s'applique qu'aux utilisateurs résidant dans les pays européens :



- Ce produit a été conçu afin de faire l'objet d'une collecte séparée dans un centre de tri adéquat. Ne vous débarrassez pas de ce produit avec vos ordures ménagères.
- Pour plus d'informations, contactez votre revendeur ou le service assurant l'élimination des déchets.

Symbol für Mülltrennung in der Europäischen Union

Dieses Symbol bedeutet, dass dieses Produkt separat entsorgt werden muss.

Folgendes gilt nur für Benutzer in der Europäischen Union:

- Dieses Produkt muss an einem geeigneten Sammelplatz angeliefert werden.
Entsorgen Sie das Produkt nicht im Haushaltsmüll.
- Weitere Information erhalten Sie von Ihrem Einzelhändler oder von der für Entsorgung zuständigen örtlichen Behörde.



Σύμβολο για χωριστή περισυλλογή στις ευρωπαϊκές χώρες

Το σύμβολο αυτό υποδεικνύει ότι το συγκεκριμένο προϊόν πρέπει να περισυλλέγεται χωριστά.

Τα ακόλουθα ισχύουν μόνο για χρήστες σε ευρωπαϊκές χώρες:

- Το προϊόν προορίζεται για χωριστή περισυλλογή σε κάποιο ενδεδειγμένο σημείο αποκομιδής απορριμμάτων. Μην το απορρίπτετε ως κοινό οικιακό απόρριμμα.
- Για περισσότερες πληροφορίες, επικοινωνήστε με το κατάστημα λιανικής που σας προμήθευσε το προϊόν ή με τις αρχές που είναι αρμόδιες για τη διαχείριση απορριμμάτων.



Az elkülönített hulladék-elhelyezésre figyelmeztető szimbólum az európai országokban

A szimbólum arra figyelmeztet, hogy a terméket külön hulladéklerakókban kell gyűjteni.

A következő figyelmeztetés kizárólag az európai felhasználókra vonatkozik:

- A terméket az elkülönített hulladékgyűjtést figyelembe véve tervezték. Ne dobja ki a készüléket háztartási szeméttárolóba.
- További információkért vegye fel a kapcsolatot a viszonteladóval vagy a helyi hulladékgazdálkodásért felelős hatósággal.



Simbolo per la raccolta differenziata nei paesi europei

Il simbolo indica che questo prodotto si può raccogliere separatamente. Quanto segue si applica soltanto agli utenti dei paesi europei:

- Questo prodotto è stato progettato per la raccolta differenziata presso un punto di raccolta appropriato. Non gettarlo insieme ai rifiuti di casa.
- Per maggiori informazioni, rivolgersi al rivenditore o all'autorità locale responsabile della gestione dei rifiuti.



Atsevišķas atkritumu savākšanas simbols Eiropas valstīs

Šāds simbols norāda, ka izstrādājums ir jānošķir no citiem atkritumiem. Šie norādījumi attiecas tikai uz lietotājiem Eiropas valstīs:

- Izstrādājumu paredzēts savākt atsevišķi no citiem atkritumiem tam piemērotā savākšanas vietā. To nedrīkst izmest kopā ar sadzīves atkritumiem.
- Lai iegūtu papildu informāciju, sazinieties ar mazumtirgotāju vai vietējām institūcijām, kas atbild par atkritumu apsaimniekošanu.



Simbolis atskiram atliekų išmetimui įvairiose Europos šalyse

Šis simbolis nurodo, kad šis produktas turi būti išmetamas atskirai. Sekanti informacija taikoma tik Europos šalių vartotojams:

- Šis produktas sukurtas atskiram išmetimui tam tikrame atliekų surinkimo taške. Neišmeskite kaip buitinių šiukšlių.
- Dėl tolimesnės informacijos, susisiekite su mažmenininku arba vietinės valdžios organais atsakingais už atliekų tvarkymą.



Symbol voor gescheiden afvalophaling in Europese landen

Dit symbool geeft aan dat dit product afzonderlijk moet worden opgehaald. Het volgende geldt alleen voor inwoners van Europese landen:

- Dit product werd ontworpen voor gescheiden inzameling op een geschikt inzamelingspunt. Het hoort niet bij het huishoudelijk afval.
- Neem voor meer informatie contact op met de verkoper of de plaatselijke overheid, belast met het afvalbeheer.



Symbol zbiórki selektywnej w krajach europejskich

Symbol ten wskazuje, że produkt powinien być zbierany selektywnie. Poniższe uwagi dotyczą wyłącznie użytkowników w krajach europejskich:

- Ten produkt jest przeznaczony do zbiórki selektywnej w odpowiednim punkcie zbiórki. Nie należy pozbywać się go razem z odpadami gospodarstw domowych.
- W celu uzyskania dalszych informacji należy skontaktować się ze sprzedawcą lub z miejscowymi władzami odpowiedzialnymi za gospodarkę odpadami.



Símbolo para a recolha separada em países da Europa

Este símbolo indica que este produto tem de ser recolhido separadamente. Os seguintes pontos aplicam-se somente a utilizadores de países europeus:

- Este produto está designado para a recolha separada num ponto de recolha apropriado. Não elimine este produto como lixo doméstico.
- Para mais informações contacte o vendedor ou as autoridades locais responsáveis pela gestão do lixo.



Símbolo de recogida selectiva en países europeos

Este símbolo indica que este producto debe eliminarse por separado. Las cláusulas siguientes se aplican únicamente a los usuarios de países europeos:

- Este producto debe recogerse separadamente en un punto de recogida adecuado. No elimine este producto con la basura normal.
- Para más información, póngase en contacto con el vendedor o las autoridades locales encargadas de la gestión de residuos.



Symbol pro třídění odpadu v evropských zemích

Tento symbol označuje, že tento výrobek je třeba zlikvidovat jako tříděný odpad.

Pro uživatele v evropských zemích platí následující zásady:

- Tento výrobek je třeba zlikvidovat jako tříděný odpad v příslušné sběrně. Nelikvidujte s běžným komunálním odpadem.
- Další informace vám poskytne prodejce nebo místní orgány zodpovědné za likvidaci odpadu.

